

Abstract

The invention concerns a method for culturing cells in order to produce substances. According to the invention a cell line producing substances is cultured while feeding a nutrient medium in such a manner that glucose limitation occurs in the culture solution. The degree of glucose limitation $DGL = q_{Glc}/q_{Glc_{max}}$ (q_{Glc} = observed current specific glucose consumption rate; $q_{Glc_{max}}$ = maximum known specific glucose consumption rate for these cells). DGL is between the limits 0 and 1, where 0 means complete limitation and 1 means no limitations or complete glucose excess. According to the invention DGL is larger or equal to the DGL which only leads to the maintenance of the cell and ≤ 0.5 .